### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>09:30-10:10</td>
<td>Title: Graphene and graphene-based devices: a future for electronics</td>
<td>John Bell, Queensland University of Technology, Australia</td>
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<tr>
<td>10:10-10:50</td>
<td>Title: Graphene-ceramic nanocomposites</td>
<td>Christophe Laurent, Toulouse University, France</td>
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### Group Photo @ 10:50-10:55

### Networking and Refreshments Break 10:55-11:10 @ Foyer

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<tr>
<td>11:10-11:40</td>
<td>Title: CVD approach of atom-thin transition metal dichalcogenides: Synthetic strategy and case studies</td>
<td>Zheng Liu, Nanyang Technological University, Singapore</td>
<td></td>
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<tr>
<td>11:40-12:10</td>
<td>Title: Theoretical Modeling of Early Stages of Graphene Growth by Epitaxial Methods</td>
<td>Lev Kantorovich, King’s College London, UK</td>
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### Plenary session

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<tr>
<td>12:10-12:40</td>
<td>Title: Collision-induced fusion of two single-walled carbon nanotubes: A quantitative study</td>
<td>Feng-Shou Zhang, Beijing Normal University, China</td>
<td></td>
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<tr>
<td>12:40-13:10</td>
<td>Title: Light-matter interactions in 2D materials throughout the infrared-THz spectral regime</td>
<td>Chase T Ellis, U.S. Naval Research Laboratory, USA</td>
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<tr>
<td>13:10-13:40</td>
<td>Title: Importance of protein adsorption on carbon allotropes: From biomaterials to separation techniques by molecular dynamics study</td>
<td>Giuseppina Raffaini, Politecnico di Milano, Italy</td>
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### Lunch Break 13:40-14:10 @ Restaurant Gaumenfreund

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<tr>
<td>14:10-14:40</td>
<td>Title: Graphene nanodevice design and pathways to industry</td>
<td>Yvette Hancock, University of York, UK</td>
<td></td>
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<tr>
<td>14:40-15:10</td>
<td>Title: Controlled formation of nano-domains in two-dimensional heterostructures</td>
<td>Luca Camilli, Danish Technical University, Denmark</td>
<td></td>
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<tr>
<td>15:10-15:40</td>
<td>Title: Local dipole moment on rutile TiO2(110) surface by electrostatic force microscopy</td>
<td>Yanjun Li, University of Tsukuba, Japan</td>
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### Panel Discussion

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<tr>
<td>15:40-16:10</td>
<td>Title: Low-Temperature Reduction of Graphene Oxide</td>
<td>Oleksii Nazarov, Lashkaryov Institute of Semiconductor Physics NASU, Ukraine</td>
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### Networking and Refreshments Break 16:10-16:30 @ Foyer

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<tr>
<td>16:30-17:00</td>
<td>Title: Plasma Enhanced Chemical Vapor Deposition of Graphene</td>
<td>Samir Farhat, Sorbonne Paris Cité University, France</td>
<td></td>
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<tr>
<td>17:00-17:30</td>
<td>Title: Growth of Epitaxial Graphene on SiC and its Sensing Application</td>
<td>G Reza Yazdi, Linköping University, Sweden</td>
<td></td>
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<tr>
<td>17:30-18:00</td>
<td>Title: Is 2D going to make organic electronics</td>
<td>Li Ping Lu, University of Exeter, UK</td>
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# Keynote Forum

## Introduction

**09:30-10:10**  
**Title:** Quantum Hall Effect near the Cyclotron Resonance of a Two-Dimensional Electron Gas  
**John Cerne,** University at Buffalo, USA

**10:10-10:50**  
**Title:** Bioartificial esophagus: Strategy for layered structure regeneration  
**Eun-Jae Chung,** Seoul National University College of Medicine, South Korea

## Networking and Refreshments Break 10:50-11:05 @ Foyer

## 11:05-11:45**  
**Title:** Mechanical strain in two-dimensional materials  
**Konstantinos Papagelis,** Foundation for Research and Technology-Hellas (FORTH), Greece

## Plenary session

## Session Introduction

**11:45-12:15**  
**Title:** Polymer/graphene hybrids as building blocks for flexible touch screens  
**John Parthenios,** Foundation for Research and Technology-Hellas (FORTH), Greece

**12:15-12:45**  
**Title:** Surface periodic micro-nanosstructuring of diamond by boron and silver ion implantation  
**Andrey L Stepanov,** Kazan Federal University, Russia

**12:45-13:15**  
**Title:** Direct observation of electrically controllable spin states in single-layer graphene using electron spin resonance spectroscopy  
**Kazuhiro Marumoto,** University of Tsukuba, Japan

## Lunch Break 13:15-14:00 @ Restaurant Gaumenfreund

## 14:00-14:30**  
**Title:** Synthesis of Well-Defined 2D Nanomaterials to Study the Mechanism of Graphene-Pathogen Interactions  
**Mohsen Adeli,** Lorestan University, Iran

## Sessions: Synthesis of Graphene and 2D Materials | Graphene and 2D Materials based Nanocomposites | Graphite, Graphene & their polymer nano composites | Graphene and Graphene oxide | Graphene Modification and Functionalisation

**Session Chair:** John Bell, Queensland University of Technology, Australia

**Session Co-Chair:** Feng-Shou Zhang, Beijing Normal University, China

## Session Introduction

**14:30-14:50**  
**Title:** Substrates rubbing method for obtaining mono- and few layer graphene and 2D materials  
**Gagik Shmavonyan,** National Polytechnic University, Armenia

**14:50-15:10**  
**Title:** Graphene Sensors for Healthcare Applications  
**Zari Tehrani,** Swansea University, UK

**15:10-15:30**  
**Title:** Water at the Interface Between Defective Graphene and Cu or Pt (111) Surface  
**Daniele Perilli,** Università di Milano-Bicocca, Italy

**15:30-15:50**  
**Title:** GO/rGO: Structural and Electrical Correlation through Experimental and Software Simulation  
**Rashmi Chawla,** University of Science and Technology Murthal, India

**15:50-16:10**  
**Title:** Synthesis of two-dimensional materials via liquid metal catalysts route: Instrument development for in situ investigation  
**Amirmehdi Saedi,** Leiden University, Netherlands

**16:10-16:30**  
**Title:** Nanostructured few-layer graphene and fluorographene films for a wide range of electronic applications  
**Nadezhda Nebogatikova,** Rzhanov’s Institute of Semiconductors Physics SB RAS, Russia

## Networking and Refreshment Break 16:30-16:45 @ Foyer

## 16:45-17:05**  
**Title:** New approach in graphene-oxide polybenzoxazine nanocomposites synthesis  
**Elena Iuliana Bîru,** University Politehnica of Bucharest, Romania

## Panel Discussion

## Award & Closing Ceremony